Appendix F. RPI Common Data Model

09/10/16

RPI Common Data Model

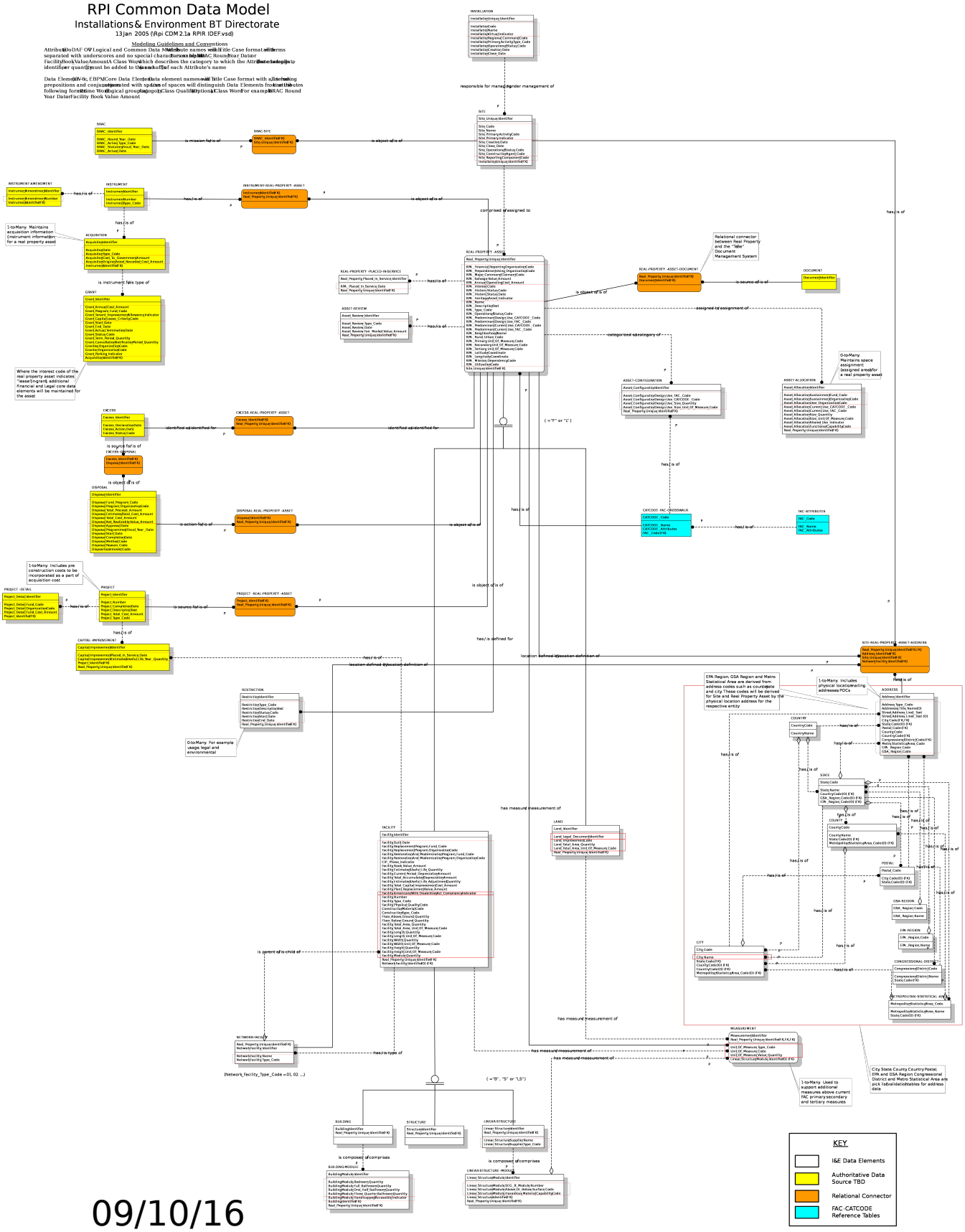
Installations & Environment BT Directorate

13 Jan 2005 (\Rpi CDM 2.1a RPIR IDEF.vsd)

Modeling Guidelines and Conventions

Attributes in DoDAF OV-7 Logical and Common Data Model Attribute names will be Title Case format with all terms separated with underscores and no special characters or symbols. Example: FAC Round Year Dator Facility Book Value Amount A Class Word which describes the category to which the Attribute belongs may be added to the end of each Attribute's name. Example: Identifier or quantity must be added to the end of each Attribute's name.

Data Elements in DoDAF OV-6c, EBPM Core Data Elements and data element names will be Title Case format with all articles, prepositions and conjunctions separated with spaces. Use of spaces will distinguish Data Elements from Attributes following format: Prime Word (logical grouping category), Class Qualifier (optional), Class Word. For example: HVAC Round Year Dator Facility Book Value Amount


INSTALLATION
responsible for management or management of
SITE
HVAC
HVAC-SITE
is mission fed is of
is object of is of
INSTRUMENT-AMENDMENT
INSTRUMENT
INSTRUMENT-REAL-PROPERTY-ASSET
has / is of
is object of is of
comprised of / assigned to
1-to-Many: Maintains acquisition information (=instrument information for a real property asset
ACQUISITION
is instrument fed's type of
GRANT
Where the interest code of the real property asset indicates "lease'd-in-and, additional financial and legal core data elements will be maintained for the asset
REAL-PROPERTY-ASSET
REAL-PROPERTY-PLACED-IN-SERVICE
ASSET-REVIEW
Relational connector between Real Property and the "Wide" Document Management System
REAL-PROPERTY-ASSET-DOCUMENT
DOCUMENT
is source of is of
is object of is of
assigned to / assignment of
categorized as / category of
ASSET-CONFIGURATION
ASSET-ALLOCATION
0-to-Many: Maintains space assignment (assigned area)for a real property asset
EXCESS
EXCESS-REAL-PROPERTY-ASSET
identified as / identified for
is source fed is of
EXCESS-DISPOSAL
is object of is of
DISPOSAL
DISPOSAL-REAL-PROPERTY-ASSET
is action fed is of
CATCODE-FAC-CROSSWALK
FAC-ATTRIBUTES
has / is of
1-to-Many: Includes pre construction costs to be incorporated as a part of acquisition cost
PROJECT-DETAIL
PROJECT
PROJECT-REAL-PROPERTY-ASSET
CAPITAL-IMPROVEMENT
has / is defined for
location defined by / location definition of
SITE-REAL-PROPERTY-ASSET-ADDRESS
EPA Region, GSA Region and Metro Statistical Area are derived from address codes such as county/state and city. These codes will be derived for Site and Real Property Asset by the physical location address for the respective entity
1-to-Many: Includes physical location/mailing addresses POCs
ADDRESS
COUNTRY
STATE
COUNTY
POSTAL
GSA-REGION
EPA-REGION
CITY
CONGRESSIONAL-DISTRICT
METROPOLITAN-STATISTICAL-AREA
RESTRICTION
0-to-Many: For example usage legal and environmental
FACILITY
LAND
has measured measurement of
is parent of / is child of
NETWORK-FACILITY
has / is type of
(Network_Facility_Type_Code = 01, 02, ...)
MEASUREMENT
1-to-Many: Used to support additional measures above current FAC primary secondary and tertiary measures
City State County Country Postal, EPA and GSA Region Congressional District and Metro Statistical Area are pick list/validation tables for address data
(= "F" or "C")
(= "B", "S" or "LS")
BUILDING
STRUCTURE
LINEAR-STRUCTURE
is composed of / comprises
BUILDING-MODULE
LINEAR-STRUCTURE-MODULE
KEY
I&E Data Elements
Authoritative Data Source TBD
Relational Connector
FAC-CATCODE Reference Tables

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